

=> d his full

(FILE 'HOME' ENTERED AT 11:16:27 ON 20 AUG 2008)

FILE 'REGISTRY' ENTERED AT 11:16:39 ON 20 AUG 2008

L1 STRUCTURE UPLOADED
L2 7 SEA SSS SAM L1
D SCA

FILE 'ZCAPLUS' ENTERED AT 11:17:58 ON 20 AUG 2008

E US2006-528592 /APPS
L*** DEL 1 S US2006-528592 /AP
D SCA
E US2005-528592 /APPS
L3 1 SEA ABB=ON PLU=ON US2005-528592 /AP
D SCA
SEL RN

FILE 'REGISTRY' ENTERED AT 11:19:09 ON 20 AUG 2008

L4 124 SEA ABB=ON PLU=ON (100-46-9/BI OR 1068-55-9/BI OR 108-42-9/BI
OR 130290-79-8/BI OR 140-75-0/BI OR 194673-12-6/BI OR
194673-13-7/BI OR 20010-99-5/BI OR 2516-34-9/BI OR 261635-79-4/
BI OR 261635-82-9/BI OR 3222-48-8/BI OR 367-21-5/BI OR
372-31-6/BI OR 3731-53-1/BI OR 443344-75-0/BI OR 45588-79-2/BI
OR 461-87-0/BI OR 5326-23-8/BI OR 53332-80-2/BI OR 554-00-7/BI
OR 56043-01-7/BI OR 58757-38-3/BI OR 608-27-5/BI OR 64992-03-6/
BI OR 667906-59-4/BI OR 667906-60-7/BI OR 676626-64-5/BI OR
676626-66-7/BI OR 676626-84-9/BI OR 676626-86-1/BI OR 676626-90
-7/BI OR 676626-92-9/BI OR 676626-94-1/BI OR 676626-96-3/BI OR
676626-98-5/BI OR 676627-03-5/BI OR 676627-04-6/BI OR 676629-17
-7/BI OR 676629-19-9/BI OR 676993-19-4/BI OR 676993-20-7/BI OR
676993-21-8/BI OR 676993-22-9/BI OR 676993-23-0/BI OR 676993-24
-1/BI OR 676993-25-2/BI OR 676993-26-3/BI OR 676993-27-4/BI OR
676993-28-5/BI OR 676993-29-6/BI OR 676993-30-9/BI OR 676993-31
-0/BI OR 676993-32-1/BI OR 676993-33-2/BI OR 676993-34-3/BI OR
676993-35-4/BI OR 676993-36-5/BI OR 676993-37-6/BI OR 676993-38
-7/BI OR 676993-39-8/BI OR 676993-40-1/BI OR 676993-41-2/BI OR
676993-42-3/BI OR 676993-43-4/BI OR 676993-44-5/BI OR 676993-45
-6/BI OR 676993-46-7/BI OR 676993-47-8/BI OR 676993-48-9/BI OR
676993-49-0/BI OR 676993-50-3/BI OR 676993-51-4/BI OR 676993-52
-5/BI OR 676993-53-6/BI OR 676993-54-7/BI OR 676993-55-8/BI OR
676993-56-9/BI OR 676993-57-0/BI OR 676993-58-1/BI OR 676993-59
-2/BI OR 676993-60-5/BI OR 676993-61-6/BI OR 676993-62-7/BI OR
676993-63-8/BI OR 676993-64-9/BI OR 676993-65-0/BI OR 676993-66
-1/BI OR 676993-67-2/BI OR 676993-68-3/BI OR 676993-69-4/BI OR
676993-70-7/BI OR 676993-71-8/BI OR 676993-72-9/BI OR 676993-73
-0/BI OR 676993-74-1/BI OR 676993-75-2/BI OR 676993-76-3/BI OR
676993-77-4/BI OR 676993-78-5/BI OR 676993-79-6/BI OR 676993-
L5 STRUCTURE UPLOADED
L6 1 SEA SSS SAM L5
L7 2599917 SEA ABB=ON PLU=ON NC5/ESS AND N>2 AND NRS>2
L8 1 SEA SUB=L7 SSS SAM L5
D SCA
L9 655 SEA SUB=L7 SSS FUL L5
SAVE TEMP L9 SZN592STR5L/A

FILE 'ZCAPLUS' ENTERED AT 11:24:50 ON 20 AUG 2008

L10 34 SEA ABB=ON PLU=ON L9

FILE 'REGISTRY' ENTERED AT 11:25:32 ON 20 AUG 2008

L11 7 SEA SUB=L9 SSS SAM L1
D SCA

L12 190 SEA SUB=L9 SSS FUL L1
SAVE TEMP L12 SZN592STR1L/A

FILE 'ZCAPLUS' ENTERED AT 11:26:56 ON 20 AUG 2008

L13 7 SEA ABB=ON PLU=ON L12
D BIB 7
D HITSTR 7
D HITSTR BIB 6

FILE 'BEILSTEIN' ENTERED AT 11:29:26 ON 20 AUG 2008

L14 0 SEA SSS SAM L1
L15 2 SEA SSS FUL L1
L16 2 SEA ABB=ON PLU=ON L15 AND BABSAN/FA
SEL BABSAN

FILE 'BABS' ENTERED AT 11:30:08 ON 20 AUG 2008

L17 1 SEA ABB=ON PLU=ON 5639419/BABSAN

FILE 'ZCAPLUS, BABS' ENTERED AT 11:30:19 ON 20 AUG 2008

L18 7 DUP REM L13 L17 (1 DUPLICATE REMOVED)
ANSWERS '1-7' FROM FILE ZCAPLUS

FILE 'STNGUIDE' ENTERED AT 11:30:29 ON 20 AUG 2008

FILE 'MARPAT' ENTERED AT 11:32:23 ON 20 AUG 2008

L19 6 SEA SSS SAM L1
D STAT QUE L19

L20 98 SEA SSS FUL L1
L21 STRUCTURE UPLOADED
L22 1 SEA SUB=L20 SSS SAM L21
L23 23 SEA SUB=L20 SSS FUL L21
L24 23 SEA ABB=ON PLU=ON L23/COM

FILE 'CAPLUS' ENTERED AT 11:41:30 ON 20 AUG 2008

L25 7 SEA ABB=ON PLU=ON L12
L26 17 SEA ABB=ON PLU=ON EATHERTON A?/AU
L27 92 SEA ABB=ON PLU=ON GIBLIN G?/AU
L28 2472 SEA ABB=ON PLU=ON GREEN R?/AU
L29 96 SEA ABB=ON PLU=ON DOUGHTY J?/AU
L30 16 SEA ABB=ON PLU=ON JANDU K?/AU
L31 958 SEA ABB=ON PLU=ON MITCHELL W?/AU
L32 387 SEA ABB=ON PLU=ON NAYLOR A?/AU
L33 11 SEA ABB=ON PLU=ON PALOMBI G?/AU
L34 249 SEA ABB=ON PLU=ON RAWLINGS D?/AU
L35 26 SEA ABB=ON PLU=ON SLINGSBY B?/AU
L36 50 SEA ABB=ON PLU=ON WHITTINGTON A?/AU
L37 14 SEA ABB=ON PLU=ON L26 AND (L27 OR L28 OR L29 OR L30 OR L31
OR L32 OR L33 OR L34 OR L35 OR L36)
L38 39 SEA ABB=ON PLU=ON L27 AND (L28 OR L29 OR L30 OR L31 OR L32
OR L33 OR L34 OR L35 OR L36)
L39 10 SEA ABB=ON PLU=ON L28 AND (L29 OR L30 OR L31 OR L32 OR L33
OR L34 OR L35 OR L36)
L40 0 SEA ABB=ON PLU=ON L29 AND (L30 OR L31 OR L32 OR L33 OR L34
OR L35 OR L36)
L41 7 SEA ABB=ON PLU=ON L30 AND (L31 OR L32 OR L33 OR L34 OR L35
OR L36)
L42 17 SEA ABB=ON PLU=ON L31 AND (L32 OR L33 OR L34 OR L35 OR L36)

L43 14 SEA ABB=ON PLU=ON L32 AND (L33 OR L34 OR L35 OR L36)
 L44 3 SEA ABB=ON PLU=ON L33 AND (L34 OR L35 OR L36)
 L45 8 SEA ABB=ON PLU=ON L34 AND (L35 OR L36)
 L46 6 SEA ABB=ON PLU=ON L35 AND L36
 L47 14 SEA ABB=ON PLU=ON L37 AND (L38 OR L39 OR L40 OR L41 OR L42
 OR L43 OR L44 OR L45 OR L46)
 L48 19 SEA ABB=ON PLU=ON L38 AND (L39 OR L40 OR L41 OR L42 OR L43
 OR L44 OR L45 OR L46)
 L49 7 SEA ABB=ON PLU=ON L39 AND (L40 OR L41 OR L42 OR L43 OR L44
 OR L45 OR L46)
 L50 0 SEA ABB=ON PLU=ON L40 AND (L41 OR L42 OR L43 OR L44 OR L45
 OR L46)
 L51 5 SEA ABB=ON PLU=ON L41 AND (L42 OR L43 OR L44 OR L45 OR L46)
 L52 8 SEA ABB=ON PLU=ON L42 AND (L43 OR L44 OR L45 OR L46)
 L53 7 SEA ABB=ON PLU=ON L43 AND (L44 OR L45 OR L46)
 L54 3 SEA ABB=ON PLU=ON L44 AND (L45 OR L46)
 L55 5 SEA ABB=ON PLU=ON L45 AND L46
 L56 20 SEA ABB=ON PLU=ON (L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR
 L53 OR L54 OR L55)

FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 11:45:35 ON 20 AUG 2008
 L57 28 SEA ABB=ON PLU=ON L56

FILE 'CAPLUS' ENTERED AT 11:46:35 ON 20 AUG 2008
 L58 50 SEA ABB=ON PLU=ON (L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR
 L43 OR L44 OR L45 OR L46)
 L59 19 SEA ABB=ON PLU=ON PYRIDINE/BI AND L58
 L60 30 SEA ABB=ON PLU=ON L56 OR L59
 L61 16 SEA ABB=ON PLU=ON L58 AND CB2/BI
 L62 27 SEA ABB=ON PLU=ON L59 OR L61
 L63 25 SEA ABB=ON PLU=ON (L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR
 L32 OR L33 OR L34 OR L35 OR L36) AND CB2/BI
 L64 13 SEA ABB=ON PLU=ON L63 AND PYRIDIN?/BI
 L65 29 SEA ABB=ON PLU=ON L56 OR L63
 L66 16 SEA ABB=ON PLU=ON (L56 OR L63) AND ?PYRIDIN?/BI

FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 11:50:28 ON 20 AUG 2008
 L67 5 SEA ABB=ON PLU=ON L64

FILE 'STNGUIDE' ENTERED AT 11:50:42 ON 20 AUG 2008

FILE 'REGISTRY' ENTERED AT 11:50:55 ON 20 AUG 2008

FILE 'CAPLUS' ENTERED AT 11:50:58 ON 20 AUG 2008
 D STAT QUE L56
 D STAT QUE L63
 D STAT QUE L66
 L68 29 SEA ABB=ON PLU=ON L56 OR L63 OR L66
 L69 4 SEA ABB=ON PLU=ON L25 AND (L26 OR L27 OR L28 OR L29 OR L30
 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36)
 L70 2 SEA ABB=ON PLU=ON L23 AND (L26 OR L27 OR L28 OR L29 OR L30
 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36)

FILE 'MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 11:53:49 ON 20 AUG 2008
 D STAT QUE L57
 D STAT QUE L67
 L71 30 SEA ABB=ON PLU=ON L57 OR L67

FILE 'CAPLUS, MEDLINE, EMBASE, BIOSIS, WPIX' ENTERED AT 11:54:18 ON 20 AUG 2008

L72 32 DUP REM L68 L71 (27 DUPLICATES REMOVED)
 ANSWERS '1-29' FROM FILE CAPLUS
 ANSWER '30' FROM FILE BIOSIS
 ANSWERS '31-32' FROM FILE WPIX
 D IBIB ABS HITIND L72 1-29
 D IALL L72 30-32

FILE 'REGISTRY' ENTERED AT 11:55:59 ON 20 AUG 2008

FILE 'CAPLUS' ENTERED AT 11:56:03 ON 20 AUG 2008
D STAT QUE L25

FILE 'BABS' ENTERED AT 11:56:31 ON 20 AUG 2008
D STAT QUE L17

FILE 'MARPAT' ENTERED AT 11:56:41 ON 20 AUG 2008
D STAT QUE L23

L73 FILE 'CAPLUS, BABS' ENTERED AT 11:57:10 ON 20 AUG 2008
 7 DUP REM L25 L17 (1 DUPLICATE REMOVED)
 ANSWERS '1-7' FROM FILE CAPLUS
 D IBIB ABS HITSTR L73 1-7

FILE 'MARPAT' ENTERED AT 11:57:57 ON 20 AUG 2008
D IBIB ABS QHIT L23 TOT

FILE 'CAPLUS, BABS' ENTERED AT 11:59:49 ON 20 AUG 2008

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 19 AUG 2008 HIGHEST RN 1042061-07-3
DICTIONARY FILE UPDATES: 19 AUG 2008 HIGHEST RN 1042061-07-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE ZCAPLUS

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FILE COVERS 1907 - 20 Aug 2008 VOL 149 ISS 8
FILE LAST UPDATED: 19 Aug 2008 (20080819/ED)

ZCaplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BEILSTEIN
FILE LAST UPDATED ON April 1, 2008

FILE COVERS 1771 TO 2008.
FILE CONTAINS 10,322,808 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

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* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *

>>> Price change as of January 1st, 2008: Connect Time and Structure Search fees re-introduced. See NEWS and HELP COST <<<

FILE BABS
FILE LAST UPDATED: 14 JUL 2008 <20080714/UP>
FILE COVERS 1980 TO DATE.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 8, 2008 (20080808/UP).

FILE MARPAT
FILE CONTENT: 1961-PRESENT VOL 149 ISS 6 (20080815/ED)

SOME MARPAT RECORDS ARE DERIVED FROM INPI DATA FOR 1961-1987

MOST RECENT CITATIONS FOR PATENTS FROM MAJOR ISSUING AGENCIES

(COVERAGE TO THESE DATES IS NOT COMPLETE):

US	20080154069	26 JUN 2008
DE	102007060672	26 JUN 2008
EP	1939177	02 JUL 2008
JP	2008153047	03 JUL 2008
WO	2008083542	17 JUL 2008
GB	2444641	11 JUN 2008
FR	2910473	27 JUN 2008
RU	2327710	27 JUN 2008
CA	2615024	14 JUN 2008

Expanded G-group definition display now available.

Effective December 15th the iteration and answer limits in MARPAT have increased from 100,000 to 200,000 for both on-line and batch searches. For more information on MARPAT search limits, type HELP SLIMITS at an arrow prompt.

FILE CAPLUS

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FILE COVERS 1907 - 20 Aug 2008 VOL 149 ISS 8
FILE LAST UPDATED: 19 Aug 2008 (20080819/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

FILE MEDLINE

FILE LAST UPDATED: 19 Aug 2008 (20080819/UP). FILE COVERS 1949 TO DATE.

MEDLINE has been updated with the National Library of Medicine's revised 2008 MeSH terms. See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

See HELP RANGE before carrying out any RANGE search.

FILE EMBASE

FILE COVERS 1974 TO 20 Aug 2008 (20080820/ED)

EMBASE was reloaded on March 30, 2008.

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Beginning January 2008, Elsevier will no longer provide EMTREE codes as part of the EMTREE thesaurus in EMBASE. Please update your current-awareness alerts (SDIs) if they contain EMTREE codes.

For further assistance, please contact your local helpdesk.

FILE BIOSIS

FILE COVERS 1926 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 13 August 2008 (20080813/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926 through 1968. These records have been re-indexed to match current BIOSIS indexing.

FILE WPIX

FILE LAST UPDATED: 15 AUG 2008 <20080815/UP>

MOST RECENT UPDATE: 200852 <200852/DW>

DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> Now containing more than 1.1 million chemical structures in DCR <<<

>>> IPC Reform backfile reclassifications have been loaded to the end of June 2008. No update date (UP) has been created for the reclassified documents, but they can be identified by 20060101/UPIC and 20061231/UPIC, 20070601/UPIC, 20071001/UPIC, 20071130/UPIC, 20080401/UPIC and 20080701/UPIC. ECLA reclassifications to June and US national classifications to the end of April 2008 have also been loaded. Update dates 20080401 and 20080701/UPEC and /UPNC have been assigned to these. <<<

FOR A COPY OF THE DERWENT WORLD PATENTS INDEX STN USER GUIDE, PLEASE VISIT:

http://www.stn-international.de/training_center/patents/stn_guide.pdf

FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES, SEE

<http://scientific.thomsonreuters.com/support/patents/coverage/latestupdate>

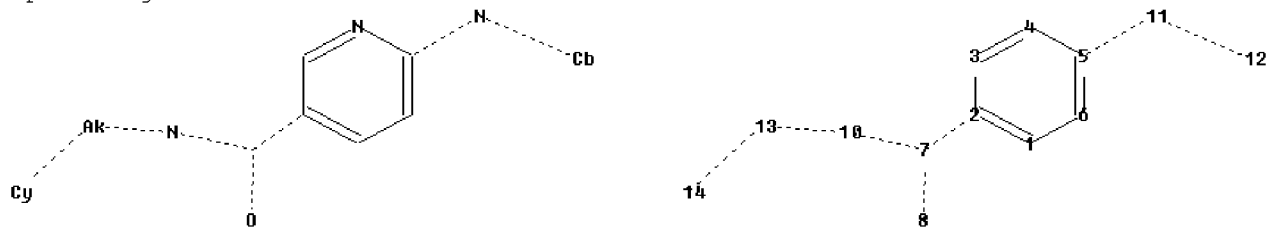
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http://www.stn-international.com/archive/presentations/DWPIAnaVist2_0710.p

>>> HELP for European Patent Classifications see HELP ECLA, HELP ICO <<<

>>> Please note that the COPYRIGHT notification has changed <<<

Uploading L1.str



```

chain nodes :
7 8 10 11 12 13 14
ring nodes :
1 2 3 4 5 6
chain bonds :
2-7 5-11 7-8 7-10 10-13 11-12 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-7 5-11 7-8 7-10 10-13 11-12 13-14
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

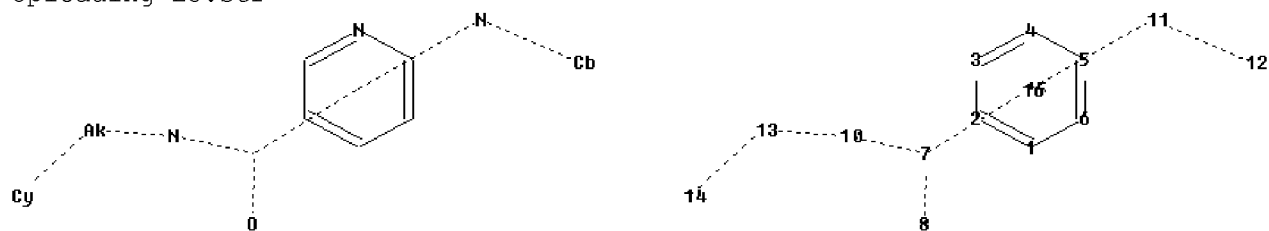
```

```

Connectivity :
7:3 E exact RC ring/chain 8:1 E exact RC ring/chain
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS
11:CLASS
12:Atom 13:CLASS 14:Atom
Generic attributes :
12:
Saturation           : Unsaturated
14:
Saturation           : Unsaturated

```

Uploading L5.str



```

chain nodes :
7 8 10 11 12 13 14
ring nodes :
1 2 3 4 5 6
chain bonds :
7-10 7-8 10-13 11-12 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
7-10 7-8 10-13 11-12 13-14
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

```

Connectivity :
7:3 E exact RC ring/chain 8:1 E exact RC ring/chain
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

```

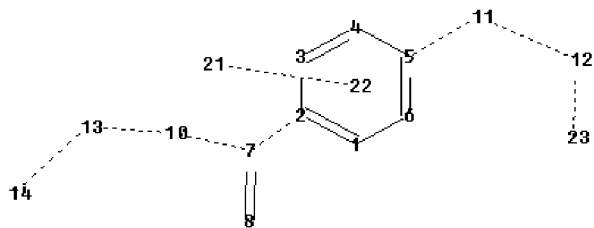
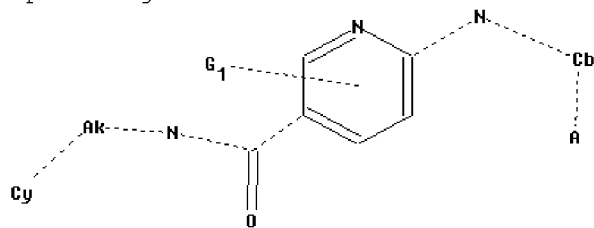


```

11:CLASS
12:Atom 13:CLASS 14:Atom 15:CLASS 16:CLASS
Generic attributes :
12:
Saturation          : Unsaturated
14:
Saturation          : Unsaturated

```

Uploading L21.str



Ak*1

$$Cl^{*2}$$

15*

17*²

```
chain nodes :
7  8  10  11  12  13  14  15  17  21  23
ring nodes :
1  2  3  4  5  6
chain bonds :
2-7  5-11  7-8  7-10  10-13  11-12  12-23  13-14
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6
exact/norm bonds :
2-7  5-11  7-8  7-10  10-13  11-12  12-23  13-14
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
containing 1 :
```

$$G1: [*1], [*2]$$

```

Connectivity :
7:3 E exact RC ring/chain  8:1 E exact RC ring/chain
Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  10:Atom  11:Atom
12:Atom 13:CLASS 14:Atom 15:CLASS 17:CLASS 21:CLASS 22:CLASS 23:CLASS
Generic attributes :
12:
Saturation          : Unsaturated
14:
Saturation          : Unsaturated

```

